

# Exploring Arizona's Biotic Communities

## Lesson 4: Which Team Are You On?

### LESSON OVERVIEW

After reading and studying the information about Arizona's biotic communities, students design a trading card for a particular plant or animal. When the cards are completed, groups of students play a game in which they try to match up animals and plants that belong in the same biotic community.

### SUGGESTED GRADE LEVELS

- 6 – 10

### ENDURING UNDERSTANDINGS

- Plants and animals are adapted to the environment in which they live.

### OBJECTIVES

Students will:

- Develop trading cards for a particular plant or animal.
- Use prior knowledge to decide in which biotic community various plants and animals belong.

### ARIZONA DEPARTMENT OF EDUCATION STANDARDS

Grade	Reading	Writing	Social Studies
6	S3-C1-01; S3-C1-09	S1-C5-03; S2-C1-02; S2-C2-01; S2-C6-10	None
7	S3-C1-01; S3-C1-10		None
8	S3-C1-01; S3-C1-10		None
9	S3-C1-08	S1-C5-02; S2-C1-03; S2-C2-01; S2-C6-09	None
10	S3-C1-07; S3-C1-08		

*Note: The full text of these standards can be found in Appendix A.*

### TIME FRAME

- 4 – 6 days (3 – 5 days of research and creation in or out of class, 1 day in class to play the game)

### MATERIALS

- A few baseball or other sport cards or game cards (Harry Potter or Pokemon would work.)
- Computers with Internet access
- Index cards to provide support for animal/plant cards
- *Card Template* (one card per student)



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- Envelopes (eight per team)
- *Biotic Communities Trading Card Rubric* (one per student)

### **TEACHER PREPARATION**

- If your class has not worked on the “Day in the Life” research project, the students will need to complete the research portion of that activity for one plant or animal in their assigned biotic community.

### **SUGGESTED PROCEDURES**

1. Show students a few sample cards: baseball, Harry Potter, Pokemon, etc. Be sure to point out features of the card that you want them to emulate: a picture, statistics, characteristics, etc. Sample wildlife cards are provided as well.
2. Tell the students that a card manufacturer has asked them to create a card for the plant or animal they have researched. Let them know that when everyone has made a card, the class will play a game with them. Distribute the card rubric and review the requirements to make sure everyone understands them.
3. Using available software and technology, students create an information card (like a sports card) about the plant or animal they researched for their “Day in the Life” essay. The card should include a photograph or sketch and enough information to allow a classmate to determine in which biotic community the plant or animal belongs. The name of the biotic community *should not* be included. The card should describe the area where its subject is found, the subject’s size, color, habits, needed living conditions, special adaptations, and any interesting facts. For animals, include diet and whether it is a predator or prey. A card template is provided for your use.
4. Students can ask their “Day in the Life” teammates to check their drafts for accuracy and correctness.
5. Collect the cards. Review them and notify students who need to correct any obvious problems. When corrected, print out a complete pack for each team. A complete pack will include two plants and two animals from each biotic community. (You may choose to have students make multiple copies, or have them submit their cards electronically so you can make copies.) The students attach the cards to index cards for extra support.
6. On the day you’ve chosen to play the game, arrange students into teams of four. If the class completed Lesson 1: Mapping Biotic Communities, the same teams may be used.
7. Give each team a complete pack of cards.
8. Explain the rules:
  - a. One student is the dealer and deals four cards to each team member.
  - b. The remaining cards are placed in the middle.
  - c. The student to the dealer’s right picks one card from his or her own hand, lays it down face up, and announces the biotic community it belongs in.
  - d. If the team agrees on the community, the player chooses another card and play rotates to the next team member. If the team disagrees, they make suggestions, the player keeps the card until next turn, and play rotates to the next team member.
  - e. The next player can either add a plant or animal to a biotic community already represented on the table, or start another community.



- f. Play continues until all cards have been dealt and each community has a set of four cards. This is a team goal, not an individual one, so teams that cooperate and communicate well will be rewarded.
- g. When a team believes they have a complete set, they alert the teacher who checks for correctness.
- h. The first team to gather all 8 sets wins. You may wish to provide a reward, such as hard candy.

### **ASSESSMENT**

- Student cards using the rubric provided
- Observation as students play the game

### **EXTENSIONS**

- Students may also use the cards to quiz themselves on the information.
- Each student could play independently with a certain number of cards (3 or 4). The rest are placed in a draw pile. The goal is again to create sets of plants and animals in a biotic community. Students draw one card on each turn. They can discard that card or another from their hand. A student who has a pair may lie those cards down or continue to hold them. Other players may discard onto sets laid down. Play ends when a student has no cards left.
- Other games may be played using the cards: A card could be put on each student's back and then students must mix and guess who they are by asking one yes or no question until they guess correctly.



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## ***Appendix A: Arizona Department of Education Standards – Full Text***

### **Reading Standards**

<b>Grade</b>	<b>Strand</b>	<b>Concept</b>	<b>Performance Objective</b>
6	3	1 – Expository Text	1 – Restate the main idea (explicit or implicit) and supporting details in expository text 9 – Draw valid conclusions about expository text, supported by text evidence
7	3	1 – Expository Text	1 – Restate the main idea (explicit or implicit) and supporting details in expository text 10 – Make relevant inferences about expository text, supported by text evidence
8	3	1 – Expository Text	1 – Restate the main idea (explicit or implicit) and supporting details in expository text 10 – Make relevant inferences about expository text, supported by text evidence
9	3	1 – Expository Text	8 – Support conclusions drawn from ideas and concepts in expository text
10	3	1 – Expository Text	7 – Make relevant inferences by synthesizing concepts and ideas from a single reading selection 8 – Support conclusions drawn from ideas and concepts in expository text

### **Writing Standards**

<b>Grade</b>	<b>Strand</b>	<b>Concept</b>	<b>Performance Objective</b>
6, 7, 8	1	5 – Publishing	3 – Use graphics (e.g., drawings, charts, graphs), when applicable, to enhance the final product
	2	1 – Ideas and Content	2 – Provide content and selected details that are well-suited to audience and purpose
		2 – Organization	1 – Use a structure that fits the type of writing (e.g., letter format, narrative, play, essay)
		6 – Conventions	10 – Use resources to spell correctly
High School	1	5 – Publishing	2 – Include such techniques as principles of design (e.g., margins, tabs, spacing, and columns) and graphics (e.g., drawings, charts, graphs), when applicable, to enhance the final product



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### Writing Standards Continued

Grade	Strand	Concept	Performance Objective
High School	2	1 – Ideas and Content	3 – Provide sufficient, relevant and carefully selected details for support
		2 – Organization	1 – Use a structure that fits the type of writing (e.g., letter format, narrative, play, essay)
		6 – Conventions	9 – Spell words correctly



## ***Appendix B: Suggested Research Web Sites***

Below is the list of additional plants and animals to include in each biotic community as well as some suggested Web sites that the students may use for research. It is recommended that you review the Web sites before using them with students.

### FIR FOREST

#### Arizona Bugbane

- [http://www.azgfd.gov/pdfs/w\\_c/hdms/Plants/Cimiariz.fo.pdf](http://www.azgfd.gov/pdfs/w_c/hdms/Plants/Cimiariz.fo.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/cimiariz.gif](http://www.azgfd.gov/w_c/edits/images/cimiariz.gif)

#### Arizona Frog Orchid

- [http://www.azgfd.gov/w\\_c/edits/documents/Coelvivi.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Coelvivi.d.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/coelvivi.gif](http://www.azgfd.gov/w_c/edits/images/coelvivi.gif)

#### Mexican Spotted Owl

- [http://www.azgfd.gov/w\\_c/edits/documents/Strioclu.fi.pdf](http://www.azgfd.gov/w_c/edits/documents/Strioclu.fi.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/strioclu.gif](http://www.azgfd.gov/w_c/edits/images/strioclu.gif)

#### Hammond's Flycatcher

- [http://www.azgfd.gov/w\\_c/edits/documents/Empihamm.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Empihamm.d.pdf)
- <http://www.bird-friends.com/BirdPage.php?name=Hammond's%20Flycatcher>

### PINE FOREST

#### Western Fairy Slipper

- [http://www.azgfd.gov/w\\_c/edits/documents/Calybulb.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Calybulb.d.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/calybulb.gif](http://www.azgfd.gov/w_c/edits/images/calybulb.gif)

#### Nevin Bird's-beak

- [http://www.azgfd.gov/w\\_c/edits/documents/Cordnevi.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Cordnevi.d.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/cordnevi.gif](http://www.azgfd.gov/w_c/edits/images/cordnevi.gif)

#### Long-eared Myotis

- [http://www.azgfd.gov/w\\_c/edits/documents/Myotevot.fi.pdf](http://www.azgfd.gov/w_c/edits/documents/Myotevot.fi.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/myotevot.gif](http://www.azgfd.gov/w_c/edits/images/myotevot.gif)

#### Mexican Gray Wolf

- [http://www.azgfd.gov/w\\_c/edits/documents/Caniluba.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Caniluba.d.pdf)
- <http://www.phoenixzoo.org/zoo/animals/facts/mexicanwolf.asp>

### PINYON-JUNIPER

#### Huachuca Milk-vetch

- [http://www.azgfd.gov/pdfs/w\\_c/hdms/Plants/Astrhypo.fo.pdf](http://www.azgfd.gov/pdfs/w_c/hdms/Plants/Astrhypo.fo.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/astrhypo.gif](http://www.azgfd.gov/w_c/edits/images/astrhypo.gif)

#### Roaring Springs Prickly-poppy

- [http://www.azgfd.gov/w\\_c/edits/documents/Argeariz.fi.pdf](http://www.azgfd.gov/w_c/edits/documents/Argeariz.fi.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/argeariz.gif](http://www.azgfd.gov/w_c/edits/images/argeariz.gif)

#### Arizona Night Lizard

- [http://www.azgfd.gov/w\\_c/edits/documents/Xantariz.d\\_000.pdf](http://www.azgfd.gov/w_c/edits/documents/Xantariz.d_000.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/xantariz.gif](http://www.azgfd.gov/w_c/edits/images/xantariz.gif)

#### Narrow-headed Garter Snake

- [http://www.azgfd.gov/w\\_c/edits/documents/Thamrufi.di\\_001.pdf](http://www.azgfd.gov/w_c/edits/documents/Thamrufi.di_001.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/thamrufi\\_000.gif](http://www.azgfd.gov/w_c/edits/images/thamrufi_000.gif)



## OAK-PINE

### Chihuahuan Stickseed

- [http://www.azgfd.gov/pdfs/w\\_c/hdms/Plants/Hackursi.fo.pdf](http://www.azgfd.gov/pdfs/w_c/hdms/Plants/Hackursi.fo.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/hackursi.gif](http://www.azgfd.gov/w_c/edits/images/hackursi.gif)

### Woodland Spurge

- [http://www.azgfd.gov/w\\_c/edits/documents/Euphmacr.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Euphmacr.d.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/euphmacr.gif](http://www.azgfd.gov/w_c/edits/images/euphmacr.gif)

### Berylline Hummingbird

- [http://www.azgfd.gov/w\\_c/edits/documents/Amazbery.D.pdf](http://www.azgfd.gov/w_c/edits/documents/Amazbery.D.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/amazbery.gif](http://www.azgfd.gov/w_c/edits/images/amazbery.gif)

### Elegant Trogon

- [http://www.azgfd.gov/w\\_c/edits/documents/Trogeleg.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Trogeleg.d.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/trogeleg.gif](http://www.azgfd.gov/w_c/edits/images/trogeleg.gif)

## OAK WOODLAND

### Large-flowered Blue Star

- [http://www.azgfd.gov/w\\_c/edits/documents/Amsogran.fo.pdf](http://www.azgfd.gov/w_c/edits/documents/Amsogran.fo.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/amsogran.gif](http://www.azgfd.gov/w_c/edits/images/amsogran.gif)

### Chiltepin

- [http://www.azgfd.gov/w\\_c/edits/documents/Capsangl.fo.pdf](http://www.azgfd.gov/w_c/edits/documents/Capsangl.fo.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/capsangl.gif](http://www.azgfd.gov/w_c/edits/images/capsangl.gif)

### Yellow-nosed Cotton Rat

- [http://www.azgfd.gov/w\\_c/edits/documents/Sigmochr.di.pdf](http://www.azgfd.gov/w_c/edits/documents/Sigmochr.di.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/sigmochr.gif](http://www.azgfd.gov/w_c/edits/images/sigmochr.gif)

### Acorn Woodpecker

- <http://www.birding.com/572aw.asp>
- <http://www.bird-friends.com/BirdPage.php?name=Acorn%20Woodpecker>

## CHAPARRAL

### Flannel Bush

- [http://www.azgfd.gov/w\\_c/edits/documents/Fremcali.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Fremcali.d.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/fremcali.gif](http://www.azgfd.gov/w_c/edits/images/fremcali.gif)

### Arizona Agave

- [http://www.azgfd.gov/w\\_c/edits/documents/Agavariz.fo.pdf](http://www.azgfd.gov/w_c/edits/documents/Agavariz.fo.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/agavariz.gif](http://www.azgfd.gov/w_c/edits/images/agavariz.gif)

### Madrean Alligator Lizard

- <http://www.reptilesfaz.com/Lizards-Subpages/h-e-kingii.html>
- <http://www.anapsid.org/gerrhont.html>

### Coyote

- [http://www.azgfd.gov/h\\_f/game\\_coyote.shtml](http://www.azgfd.gov/h_f/game_coyote.shtml)
- <http://www.phoenixzoo.org/zoo/animals/facts/coyote.asp>





## MOUNTAIN GRASSLAND

### Kaibab Beardtongue

- [http://www.azgfd.gov/w\\_c/edits/documents/Penspseu.fi.pdf](http://www.azgfd.gov/w_c/edits/documents/Penspseu.fi.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/penspseu.gif](http://www.azgfd.gov/w_c/edits/images/penspseu.gif)

### Redflower Onion

- [http://www.azgfd.gov/w\\_c/edits/documents/Allirhiz.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Allirhiz.d.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/allirhiz.gif](http://www.azgfd.gov/w_c/edits/images/allirhiz.gif)

### White Mountains Ground Squirrel

- [http://www.azgfd.gov/w\\_c/edits/documents/Spetrmo.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Spetrmo.d.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/spetrmo.gif](http://www.azgfd.gov/w_c/edits/images/spetrmo.gif)

### New Mexican Jumping Mouse

- [http://www.azgfd.gov/w\\_c/edits/documents/Zapuhulu.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Zapuhulu.d.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/zapuhulu\\_000.gif](http://www.azgfd.gov/w_c/edits/images/zapuhulu_000.gif)

## PLAINS GRASSLAND

### Paper-spined Cactus

- [http://www.azgfd.gov/w\\_c/edits/documents/Pedipapy.d\\_000.pdf](http://www.azgfd.gov/w_c/edits/documents/Pedipapy.d_000.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/pedipapy\\_000.gif](http://www.azgfd.gov/w_c/edits/images/pedipapy_000.gif)

### Peebles Blue Star

- [http://www.azgfd.gov/w\\_c/edits/documents/Amsopeeb.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Amsopeeb.d.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/amsopeeb.gif](http://www.azgfd.gov/w_c/edits/images/amsopeeb.gif)

### Black-tailed Prairie Dog

- [http://www.azgfd.gov/w\\_c/edits/documents/Cynoludo.fi.pdf](http://www.azgfd.gov/w_c/edits/documents/Cynoludo.fi.pdf)
- [http://www.desertusa.com/dec96/du\\_pdogs.html](http://www.desertusa.com/dec96/du_pdogs.html)

### Milksnake

- [http://www.azgfd.gov/w\\_c/edits/documents/Lamptria.d\\_001.pdf](http://www.azgfd.gov/w_c/edits/documents/Lamptria.d_001.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/lamptria\\_000.gif](http://www.azgfd.gov/w_c/edits/images/lamptria_000.gif)

## DESERT GRASSLAND

### Pima Indian Mallow

- [http://www.azgfd.gov/pdfs/w\\_c/hdms/Plants/Abutpari.fo.pdf](http://www.azgfd.gov/pdfs/w_c/hdms/Plants/Abutpari.fo.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/abutpari.gif](http://www.azgfd.gov/w_c/edits/images/abutpari.gif)

### Arid Throne Fleabane

- [http://www.azgfd.gov/pdfs/w\\_c/hdms/Plants/Erigaris.fo.pdf](http://www.azgfd.gov/pdfs/w_c/hdms/Plants/Erigaris.fo.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/erigaris.gif](http://www.azgfd.gov/w_c/edits/images/erigaris.gif)

### Mexican Hog-nosed Snake

- [http://www.azgfd.gov/w\\_c/edits/documents/Hetenake.d\\_001.pdf](http://www.azgfd.gov/w_c/edits/documents/Hetenake.d_001.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/hetenake\\_000.gif](http://www.azgfd.gov/w_c/edits/images/hetenake_000.gif)

### Masked Bobwhite

- [http://www.azgfd.gov/w\\_c/edits/documents/Coliviri.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Coliviri.d.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/coliviri.gif](http://www.azgfd.gov/w_c/edits/images/coliviri.gif)





## GREAT BASIN DESERT

### Fredonia Catseye

- [http://www.azgfd.gov/w\\_c/edits/documents/Crypsemi.d\\_000.pdf](http://www.azgfd.gov/w_c/edits/documents/Crypsemi.d_000.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/crypsemi\\_000.gif](http://www.azgfd.gov/w_c/edits/images/crypsemi_000.gif)

### Whiting Dalia

- [http://www.azgfd.gov/w\\_c/edits/documents/PSORTHWH.fi\\_000.pdf](http://www.azgfd.gov/w_c/edits/documents/PSORTHWH.fi_000.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/psorthwh\\_000.gif](http://www.azgfd.gov/w_c/edits/images/psorthwh_000.gif)

### New Mexico Banner-tailed Kangaroo Rat

- [http://www.azgfd.gov/w\\_c/edits/documents/Dipospba.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Dipospba.d.pdf)
- [http://www.desertusa.com/aug96/du\\_krat.html](http://www.desertusa.com/aug96/du_krat.html)

### Pygmy Rabbit

- [http://www.azgfd.gov/w\\_c/edits/documents/Sylvidah.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Sylvidah.d.pdf)
- [http://www.glenoakzoo.org/pygmy\\_rabbit\\_fact.htm](http://www.glenoakzoo.org/pygmy_rabbit_fact.htm)

## MOHAVE DESERT

### Grand Canyon Flaveria

- [http://www.azgfd.gov/w\\_c/edits/documents/Flavmcdo.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Flavmcdo.d.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/flavmcdo.gif](http://www.azgfd.gov/w_c/edits/images/flavmcdo.gif)

### Brittlebush

- [http://www.desertusa.com/april96/du\\_britbush.html](http://www.desertusa.com/april96/du_britbush.html)
- <http://www.fs.fed.us/database/feis/plants/shrub/encfar/all.html>

### Kit Fox

- [http://www.azgfd.gov/h\\_f/game\\_foxes.shtml](http://www.azgfd.gov/h_f/game_foxes.shtml)
- <http://www.southwestwildlife.org/factsheets/kitfox.htm>

### Desert Iguana

- [http://www.desertusa.com/april97/du\\_desiguana.html](http://www.desertusa.com/april97/du_desiguana.html)
- [http://www.desertmuseum.org/books/nhsd\\_desert\\_iguana.html](http://www.desertmuseum.org/books/nhsd_desert_iguana.html)

## SONORAN DESERT

### Crucifixion Thorn

- [http://www.azgfd.gov/w\\_c/edits/documents/Castemor.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Castemor.d.pdf)
- [http://www.desertusa.com/magdec97/dec\\_pap/du\\_cruxthorn.html](http://www.desertusa.com/magdec97/dec_pap/du_cruxthorn.html)

### Gander's Cryptantha

- [http://www.azgfd.gov/w\\_c/edits/documents/Crypgand.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Crypgand.d.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/crypgand.gif](http://www.azgfd.gov/w_c/edits/images/crypgand.gif)

### Crested Caracara

- [http://www.azgfd.gov/w\\_c/edits/documents/Caracher.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Caracher.d.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/caracher.gif](http://www.azgfd.gov/w_c/edits/images/caracher.gif)

### Gila Monster

- [http://www.azgfd.gov/w\\_c/edits/documents/Helosuci.d\\_001.pdf](http://www.azgfd.gov/w_c/edits/documents/Helosuci.d_001.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/helosuci\\_000.gif](http://www.azgfd.gov/w_c/edits/images/helosuci_000.gif)



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communities of  
Arizona with an  
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Language Arts and  
Social Studies*

## CHIHUAHUAN DESERT

### Cob Corycactus

- [http://www.azgfd.gov/w\\_c/edits/documents/Escotube.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Escotube.d.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/escotube.gif](http://www.azgfd.gov/w_c/edits/images/escotube.gif)

### Lechuguilla

- <http://www.fs.fed.us/database/feis/plants/shrub/agalec/all.html>
- <http://www.explorenm.com/plants/Agavaceae/Agave/lechuguilla/>

### Greater Roadrunner

- <http://www.phoenixzoo.org/zoo/animals/facts/roadrunner.asp>
- [http://www.desertmuseum.org/books/nhsd\\_roadrunner\\_new.html](http://www.desertmuseum.org/books/nhsd_roadrunner_new.html)

### Black-capped Gnatcatcher

- [http://www.azgfd.gov/w\\_c/edits/documents/Polinigr.d.pdf](http://www.azgfd.gov/w_c/edits/documents/Polinigr.d.pdf)
- [http://www.azgfd.gov/w\\_c/edits/images/polinigr.gif](http://www.azgfd.gov/w_c/edits/images/polinigr.gif)



*An online exploration  
of the biotic  
communities of  
Arizona with an  
emphasis on  
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## ***Appendix C: Worksheets and Overheads***

The pages that follow contain the worksheets listed below:

- A. *Sample Cards* – Pre-made cards containing some of the animals from the “Exploring Arizona’s Natural Resources” Web page (2 pages)
- B. *Card Template* – A template that students can use to make their own cards (2 pages)

